

Title (en)  
LABEL STICKING APPARATUS FOR ROTARY BLOW MOLDING MACHINES

Publication  
**EP 0377735 A4 19910320 (EN)**

Application  
**EP 88906043 A 19880627**

Priority  
JP 8800641 W 19880627

Abstract (en)  
[origin: EP0377735A1] A shaft adapted to be turned intermittently at a predetermined angle at a time is provided in parallel with a rotary shaft of a rotor, on which split mould units are supported, and a label sucking rubber cup is fixed to the front end of a link which is adapted to be turned around a pin fixed to the intermittently turning shaft, a label being disposed on the inner surface of an open split mould by a combination of the intermittent turning of the above-mentioned shaft and the turning of the link. The split mould retains the label with a vacuum suction force, and the label is adhered to a moulded product when a high-temp. plastic material is pressed against the inner surface of the split mould. A split mould holder is constructed so that a mould clamping force is applied when a slider crank mechanism cooperating with a cam follower is at a dead point. The rotor is driven at a constant speed with no large force applied to the cam follower held on the rotor, and the positioning of the label can be done accurately.

IPC 1-7  
**B65C 3/26**; **B29C 49/24**

IPC 8 full level  
**B29C 49/24** (2006.01); **B29C 49/56** (2006.01); **B65C 3/26** (2006.01); **B65C 9/14** (2006.01); **B29C 33/36** (2006.01); **B29C 49/36** (2006.01)

CPC (source: EP KR US)  
**B29C 49/2408** (2013.01 - EP US); **B29C 49/56** (2013.01 - EP US); **B65C 3/26** (2013.01 - KR); **B29C 33/36** (2013.01 - EP US); **B29C 49/36** (2013.01 - EP US); **B29C 2049/5631** (2022.05 - EP)

Citation (search report)

- [A] WO 8301414 A1 19830428 - CONTINENTAL GROUP [US]
- [A] US 4359314 A 19821116 - HELLMER ERNEST W
- [A] US 4479771 A 19841030 - SLAT WILLIAM A [US], et al
- [A] US 4293365 A 19811006 - GEYSER JOSEPH E, et al
- See also references of WO 9000138A1

Cited by  
EP2347885A3; US5980233A; EP0842752A4; US8512623B2

Designated contracting state (EPC)  
FR GB NL

DOCDB simple family (publication)  
**EP 0377735 A1 19900718**; **EP 0377735 A4 19910320**; **EP 0377735 B1 19930224**; AU 4295889 A 19910711; AU 619907 B2 19920206; CA 1325408 C 19931221; JP H0659893 B1 19940810; KR 900700346 A 19900813; KR 950011145 B1 19950928; US 5039298 A 19910813; WO 9000138 A1 19900111

DOCDB simple family (application)  
**EP 88906043 A 19880627**; AU 4295889 A 19891017; CA 603818 A 19890623; JP 50446688 A 19880627; JP 8800641 W 19880627; KR 890702382 A 19891218; US 42520889 A 19891017